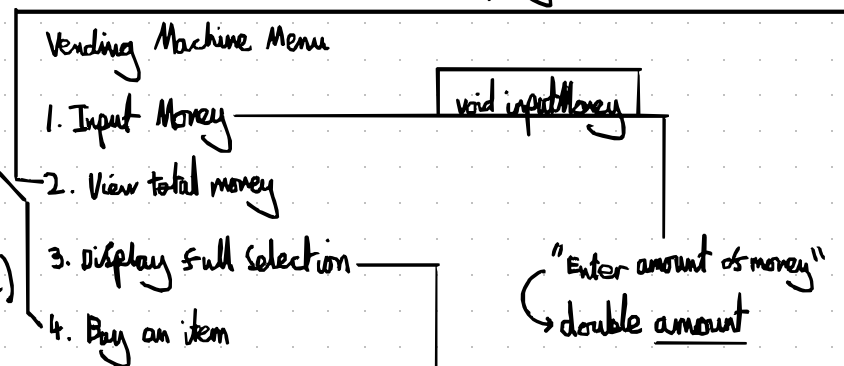


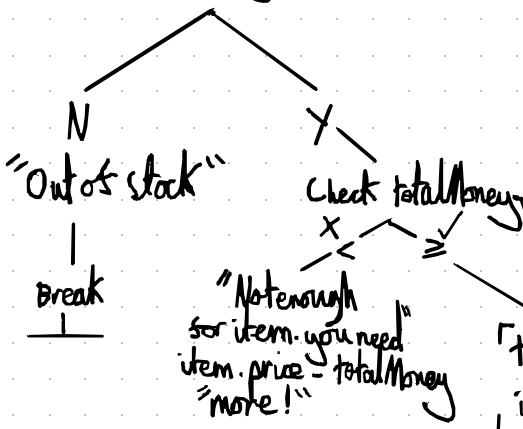
main → construct vendingMachine  
 ↓  
 Display menu

buyItem(totalMoney, vendingMachine)

int row, col  
 "Enter row:" → row  
 "Enter column:" → col

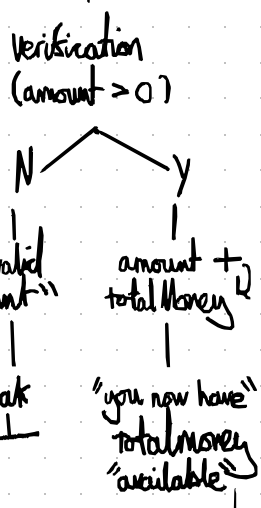


Validate (within range)  
 fetch item (row, col)  
 check stock using isAvailable



loop for no. of items (x)  
 loop for attribute (y)  
 "Item at x + y:  
 Name | Price | Stock  
 + Availability (stock > 0)  
 true / false"  
 Break

"Enter amount of money"  
 double amount



### Constructor

```

struct Item
Double price      price p;
int stockCount    stockCount s;
bool isAvailable  isAvailable(s > 0);
String name       String n;
  
```

VendingMachine  
 26 items = name-price-stock  
 ~~~~~ ~ ~ ~  
 ~~~~~ ~ ~ ~  
 ~~~~~ ~ ~ ~

take away from stock count  
 switch isAvailable if no more items are available

Exit [5]

Breaks program using a while loop

while choice != 5

Elvish Holley - proto one